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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,778	12/24/2003	Jeong Dae Seo	K-0597	9463
70144 HOLLAND & I	7590 04/28/200 KNIGHT LLP	EXAMINER		
2099 PENNSYI	LVANIA AVE	THOMPSON, CAMIE S		
SUITE 100 WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			04/28/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/743,778	SEO ET AL.		
Office Action Summary	Examiner	Art Unit		
	Camie S. Thompson	1794		
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
1) Responsive to communication(s) filed on Ame	s action is non-final. ance except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 1,2,5,9 and 10 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1,2,5 and 10 is/are rejected. 7) Claim(s) 9 is/are objected to. 8) Claim(s) are subject to restriction and/o	awn from consideration.			
9) The specification is objected to by the Examin	er			
10) The drawing(s) filed on is/are: a) acceptant may not request that any objection to the Replacement drawing sheet(s) including the correct any objected to by the E	cepted or b) objected to by the lead of a drawing(s) be held in abeyance. Section is required if the drawing(s) is objection	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate		

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DETAILED ACTION

1. Applicant's amendment and accompanying remarks filed January 6, 2009 are acknowledged.

- 2. Examiner acknowledges amended claim 1.
- 3. The rejection of claims 1-2, 5 and 9-10 under 35 U.S.C. 112, second paragraph is overcome by applicant's amendment.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 10 is rendered indefinite because it is unclear if chemical formula S-1 is the first compound on page 7 of the claims or the 7th compound on page 15 of the claims. There are two(2) different compounds listed in claim 10 labeled as chemical formula S-1.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

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The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

7. Claims 1-2 and 5 are rejected under 35 U.S.C. 102(e) as being anticipated by Ikeda et al., U.S. Patent Number 7,429,425.

Ikeda discloses a blue organic electroluminescent device comprising an anode and a cathode with an organic thin film disposed therebetween. Ikeda discloses that the organic thin film layer includes a luminescent layer having a mixture of materials with the materials being an oligoarylene with the structure

which corresponds to compound H-22 of

present claim 5 and a diaminopyrene with the structure

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formula 1 when A_1 and A_2 are both methyl substituted phenylene groups as per present claim 1 (see Example 6). Example 5 of the reference discloses that the oligoarylene is present in the amount of 40:2 to the diaminopyrene material.

Allowable Subject Matter

8. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant claims the recited blue organic electroluminescent device wherein the luminescent layer comprises as a dopant the chemical formula 1 with A1 and A2 being represented by one of the chemical formulas in present claims 9. The closest prior art, Ikeda et al., U.S. Patent Number 7,429,425, teaches an organic electroluminescent device comprising an organic layer comprising a mixture of a diaminopyrene and a substituted polycyclic condensed structure. Ikeda does not teach or suggest the substituents required by present claim 9.

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Response to Arguments

9. Applicant's arguments with respect to the present claims have been considered but are moot in view of the new ground(s) of rejection.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Camie S. Thompson whose telephone number is 571-272-1530. The examiner can normally be reached on Monday-Friday 8:00 am - 6:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Lawrence Tarazano can be reached on 571-272-1515. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. Lawrence Tarazano/ Supervisory Patent Examiner, Art Unit 1794 Camie S Thompson Examiner Art Unit 1794